

A190

Patent References: Clay / Nanocomposites

Company Du Pont Japan, Ltd., Japan; du Pont de Nemours, E. I., and

Title Production of polyimide composite moldings

Author: Kaku, Motoo; Nakano, Mitsuru

Publication Date 1996

Source: Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF PI JP09194724 A2
970729 Heisei AI 96JP-0010838 960125 DT Patent
LA Japanese

Abstract: The title moldings, e.g., precise bearings, sealings, etc. (no data), are
manufd. by dispersing tetraalkyl ammonium salt-treated clays (e.g.,

On hand? trioctylmethylammonium chloride-treated ***montmorillonite***) in basic
solvents (e.g., pyridine, .beta.-picoline), mixing with polyamic acids (e.g.,
biphenyltetracarboxylic dianhydride-m-phenylenediamine copolymer),
NO adding poor solvents (e.g., acetone) to ppt. the polyamic acid composite,
and heating (e.g., sintering) to give a polyimide composite.